

## 35ft LED RGBW OUTDOOR STRING LIGHTS - SOLAR LR40039

**WARNING: When using outdoor use portable lighting products, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury including the following:**

### READ AND FOLLOW ALL SAFETY INSTRUCTIONS

- Read and follow all instructions that are on the product or provided with the product.
- This product operates via 2000MAH Lithium 3.7V/1.5W solar panel. Do not operate with any other power supply.
- This product is not linkable. Do not connect more than one string light to the solar panel.
- Do not attempt to alter the product in any way.
- This seasonal use product is not intended for permanent installation or use.
- Do not mount or place near gas or electric heaters, fireplaces, candles, or other similar sources of heat.
- Do not mount the string light or solar panel in or near running or standing water or near drains of any kind.
- Do not mount directly over pools, fountains, or other bodies of water. Ensure string light is mounted at least 5 feet (1.52 meters) away from the edge of any pools, fountains, or other bodies of water.
- Do not secure the wiring of the product with staples or nails, or place on sharp hooks or nails.
- Do not let lamps rest on the supply cord or on any wire.
- The supply cord and string light must not be subject to push, pull, or other torsion forces.
- This is an electric product and is not a toy! To avoid risk of fire, burns, personal injury, and electric shock, it should not be played with or placed where small children can reach it.
- Do not use this product for other than its intended use.
- Do not hang ornaments or other objects from cord, wire, or light string.
- Do not close doors or windows on the product or extension cords as this may damage the wire insulation.
- Do not cover the product with cloth, paper, or any material not part of the product when in use.

**CAUTION:** The solar panel contains lithium ion rechargeable batteries. Batteries must be recycled or disposed of properly. Do not dispose of batteries in fire. Use only Lithium Ion 18650 batteries (includes 1 rechargeable battery). Do not mix battery types.

**WARNING - KEEP BATTERIES OUT OF REACH OF CHILDREN! Batteries are not a toy!**

The remote control included utilizes a 3V CR2025 battery. If swallowed, it could cause severe injury or death in just 2 hours due to chemical burns and potential perforation of the esophagus. If you suspect your child has swallowed or inserted a button battery, immediately seek urgent medical assistance. Do not dispose of batteries in fire as they may explode or leak. Please dispose of used batteries immediately and safely. Only replace with the same battery type.

**WARNING:**

- Adverse conditions of cold, extreme cold, extreme heat plus humidity and dampness may affect battery performance.
- Do not open, short circuit, or mutilate batteries as injury may occur.
- Batteries must be recycled or disposed of properly.
- Always purchase the correct size and grade of battery most suitable for the intended use.
- Clean the battery contacts and also those of the device prior to battery installation. Ensure the batteries are installed correctly with regard to polarity (+ and -).
- Remove batteries from equipment when not in use for an extended period of time.

### SAVE THESE INSTRUCTIONS

#### FCC Warning:

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device. This equipment has been tested and found to comply with the limits for Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, Human proximity to the antenna shall not be less than 20cm(8 inches)during normal operation.

**⚠ WARNING:** This product can expose you to chemicals including lead which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## PACKAGE CONTENTS:

A: (1) 35ft Solar LED RGBW Outdoor String Light  
 B: (1) Solar Panel  
 C: (1) Soil Mount Stake

D: (1) 22 Key 2.4hz Remote Control  
 E: (1) CR2025 Button Battery

## INSTALLATION INSTRUCTIONS

## WARNING:

- Be careful not to damage or cut the wire insulation (covering) during fixture installation. Do not permit power cord or wires to contact any surface having a sharp edge. To do so may damage or cut the wire insulation, which could cause serious injury or death from electric shock.
- String light sockets must be suspended so that lamps are facing downwards. DO NOT mount the light string with sockets facing upward. Lamps should hang freely with at least 3 inches of space from nearest object.
- Solar panel should be installed in an area that received direct sunlight. The solar panel will produce more hours of operation when installed in an area which is free from cover, shade, or shadowing.

1. Carefully remove all the parts from the packaging and check to ensure there are no cuts or nicks in the string light (A) nor damage to the pre-attached lamps. Ensure all bulb lenses are securely fastened.

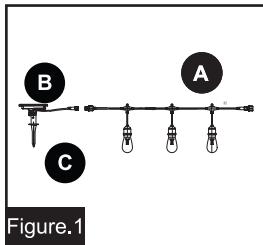


Figure.1

2. Determine the desired location of the string light (A) and the solar panel (B). Ensure the mounting location and solar panel are within reach of each other without causing strain to cables.

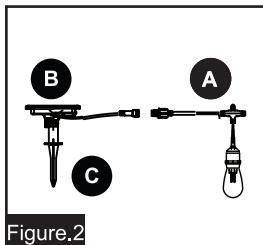


Figure.2

3. Insert the soil mount stake (C) into the solar panel (B).

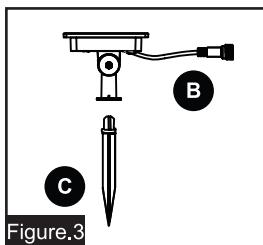


Figure.3

4. Ensure the connection between the solar panel (B) and the string light (A) is fully seated.

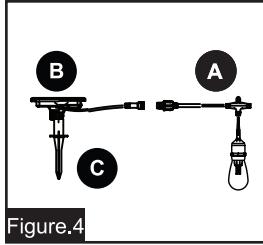


Figure.4

5. Securely attach string light (A) to a support structure using the eyelet holes at the top of each suspended socket and appropriate supporting hardware (eyebolts, brackets, etc. not included).

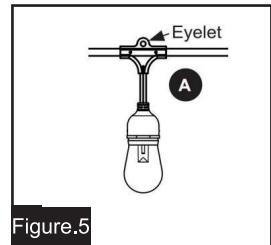


Figure.5

6. Mount the solar panel (B) by gently pushing the soil mount stake (C) into the ground. Note: Do not use a hammer. If the ground is hard, use water to soften. Do not press down on the solar panel. This can damage the light.

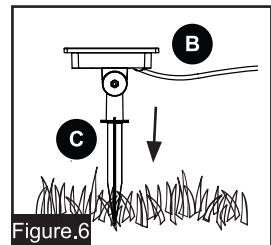


Figure.6

7. Loosen the solar panel (B) knob in a counter-clockwise motion. Adjust the angle of the solar panel (B) to desired position for optimal sunlight exposure. Re-tighten the knob to secure in place.

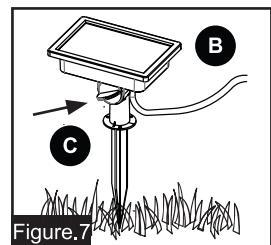


Figure.7

8. The solar panel (B) requires 6 hours of light for full charge. There is also a 5V Micro USB charging port on the back of the solar panel (B). The solar panel (B) will have 6-8 operating hours from a full charge.

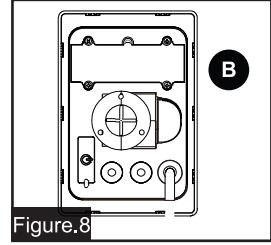


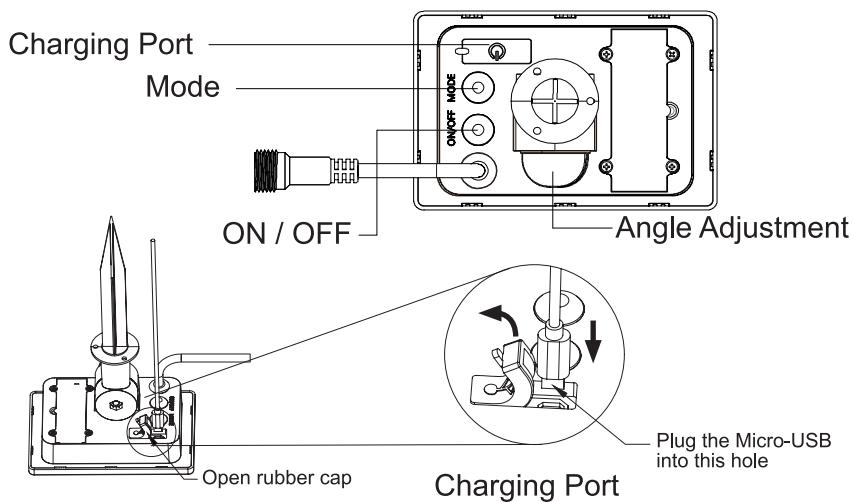
Figure.8

## OPERATION INSTRUCTIONS

## SOLAR PANEL OPERATION

Charging Port 5V Micro USB: Open the silicone cover.

When charging: RED light indicates ON, GREEN light indicates FINISH. The light is displayed on the left side of the panel. Modes: 8 Colors (Red, Green, Blue, White, Yellow, Cyan, Orange, Purple), Multi, Random, Strobe, Twinkle, Fade, Breathe, Flash, and auto).



## REMOTE CONTROL OPERATION



Use handheld remote control (D) for on/off control, dimming, and color temperature control. Remove plastic tab from battery door before use. See table below for button function.

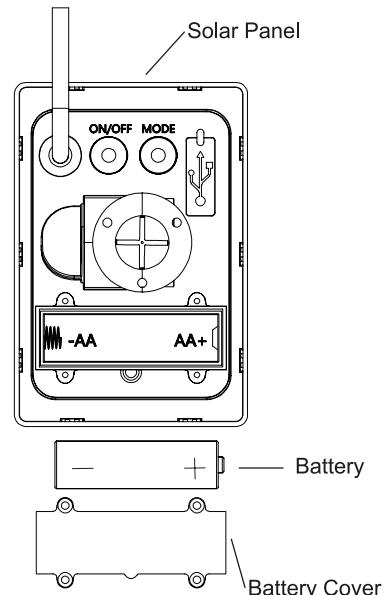
To replace remote control's battery (E), follow directions on the back of remote control (D) to slide battery drawer out. Replace battery (+ side up) and slide battery drawers back in place

| Turn ON   |   |   | Turn OFF   |
|---|---|---|--|
| Slow down   | Speed up                                      | Decrease the luminance                                | Increase the luminance                                   |
| Red   | Green   | Blue  | Warm White   |
| Yellow  | Cyan  | Orange  | Purple   |
| Full color (the eight colors will light stably in a random way) | The eight colors will twinkle in a random way | the eight colors change in sequence (with base color) | the eight colors change in sequence (without base color) |
| color fading of eight colors                                    | color dimming of eight colors in sequence     | eight colors flash in sequence                        | Autocycle Modes  |

## CARE AND MAINTENANCE

- When the product is placed on a live tree, the tree should be well maintained and fresh. Do not place on live trees in which the needles are brown and break off easily. Keep the tree holder filled with water.
- If the product is placed on a tree, the tree should be well secured and stable.
- Before using or reusing, inspect product carefully. Discard any products that have cut, damaged, or frayed wire insulation or cords, cracks in the lamp-holders or enclosures, loose connections, or exposed copper wire.
- When storing the product, carefully remove the product from wherever it is placed, including trees, branches, or bushes in order to avoid any undue strain or stress on the product conductors, connections, and wires.
- When not in use, store neatly in a cool, dry location protected from sunlight.
- Replacing the battery: Use a screwdriver to unscrew the battery cover and replace the battery, then re-assemble the unit. Use only Lithium Ion 18650 rechargeable battery type (3.7V 2000mAh).

**IMPORTANT:** Dispose of the battery in accordance with local, state, and federal regulations.



## TROUBLESHOOTING

- 1) The light does not come on at all:
  - a) Power off and make sure all lamps are tightly secured.
  - b) Ensure the string light is securely fastened to the solar panel.
- 2) The nightly run time is shorter than normal.
  - a) The battery is not fully charged. Ensure the solar panel is located in an area where it can receive the maximum amount of full, direct sunlight every day. Keeping the solar panel clean is equally important to ensure the maximum charging performance.
  - b) The battery is reaching the end of its useful life. Replace with Lithium Ion 18650 rechargeable batteries.
- 3) The solar light does not turn on at night.
  - a) The solar light is installed too close to other light sources, which may keep the solar light from turning on at night. Relocate the fixture or eliminate the other light sources.
- 4) Micro USB is not charging the solar panel.
  - a) Check the USB plug for dirt or defects. Make sure the plug is properly inserted.
  - b) The battery may be weak or can no longer produce a charge. Replace the battery.
- 5) Solar light is not responding to remote control.
  - a) Remote control battery is at the end of its life. Replace with appropriate battery type.
  - b) Solar light is not receiving signal from remote control. Ensure remote control is pointed at string light within appropriate signal distance.

If unable to fix any of the above issues, please consult a certified electrician.